

Experiment Number: A48127

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 09/20/2018

Time Report Requested: 16:06:20

**NTP Study Number:**

A48127

**Study Duration:**

90 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	10	0.71 ± 0.06	
3125.0	10	0.69 ± 0.10	0.5388
6250.0	10	0.43 ± 0.07	0.9827
12500.0	10	0.58 ± 0.12	0.8210
25000.0	10	0.53 ± 0.09	0.9000
50000.0	10	0.53 ± 0.09	0.9125
Trend p-Value		0.8690	
Positive Control <sup>2</sup>	3	11.05 ± 1.19	< 0.001 *

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Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	0.49 ± 0.09	
3125.0	10	0.41 ± 0.12	0.7161
6250.0	9	0.40 ± 0.05	0.7538
12500.0	10	0.41 ± 0.04	0.7412
25000.0	10	0.53 ± 0.08	0.4107
50000.0	10	0.60 ± 0.12	0.2554
Trend p-Value		0.0330	

Trial Summary: Negative

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Solvent

2: 0.2 mg/kg Urne

**\*\* END OF REPORT \*\***